

Figure 1A

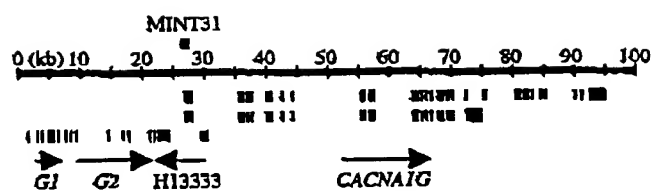


Figure 1B

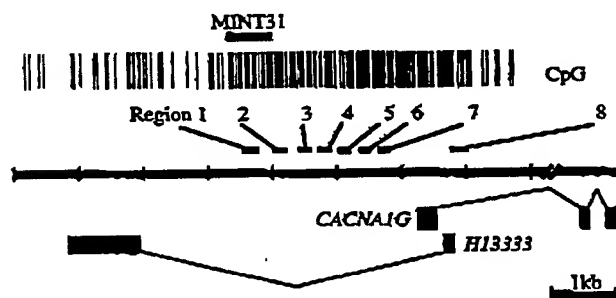


Figure 2

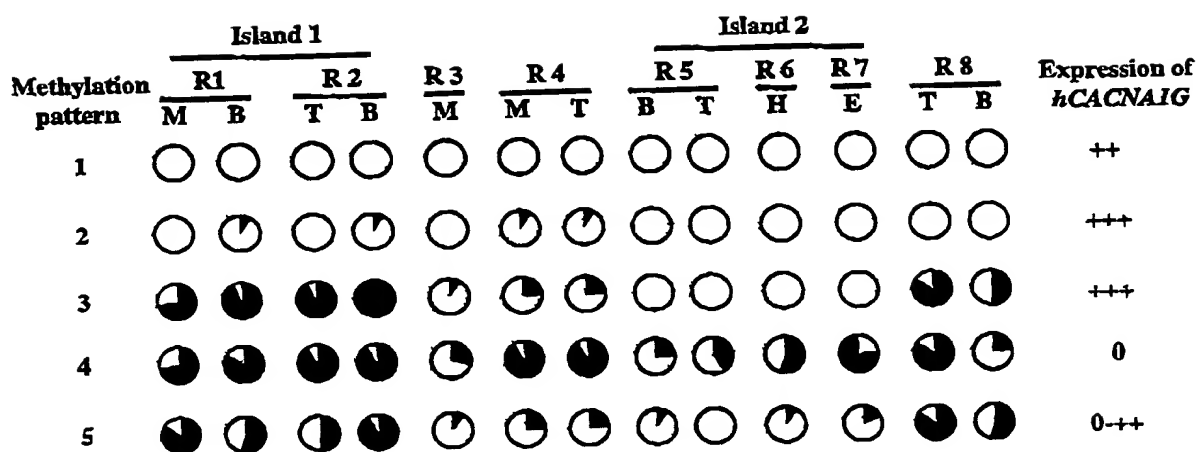


FIGURE 3A (SEQ ID NO:51) CACNA1G nucleotide sequence

CCTTTTCGTTTCGCCCTCTCGGGGCGGCTTCGCCGAAGGTAGCGCCGAATCCGGCAACCGGAGCCTGGGCGCGAAGCGAAG
AAGCCGGAACAAAGTGAGGGGAGCCGGCCGGCTGGCCCGGAAGCCCCAGGGGCGCAGGGGAGCTGGGCTGAACTGGCCCTCCC
GCGGGGTTTCCCTGCGCCCCGGCGCCCCGCGGGCAGCATGCCCCGCGGGGAGCTGGGCTGAACTGGCCCTCCC
GGGGGCTCAGCTTGCGCCCTAGAGCCCACCAGATGTGCCCCCGCGGGGCCCCGGGTTGCGTGAGGACACCTCCTCTGA
GGGGCGCCGCTTGCCCTCTCCGGATCGCCCGGGGCCCCGGCTGGCCAGAGGATGGACGAGGAGGAGGATGGAGCGGGCG
CCGAGGAGTCGGGACAGCCCCGGAGCTTCATGCGGCTCAACGACCTGTGCGGGGCGGGGGCCGGCCGGGCGGGGTCA
GCAGAAAAGGACCCGGGCGAGCGCGGACTCCGAGGCGGAGGGGCTGCCGTACCCGGCGCTGGCCCCGGTGTTTCTTCTA
CTTGAGCCAGGACAGCCGCCCCGCGGAGCTGGTGTCTCCGCACGGTCTGTAACCCCTGGTTTGAGCGCATCAGCATGTTGG
TCATCCTTCTCAACTGCGTGACCCTGGGCATGTTCCGGCCATGCGAGGACATCGCCTGTGACTCCCAGCGCTGCCGGATC
CTGCAGGCCCTTTGATGACTTCATCTTTGCTTCTTTGCGGTGGAGATGGTGGTGAAGATGGTGGCCTTGGGCATCTTTGG
GAAAAAGTGTTACCTGGGAGACACTTGAACCCGGCTTGACTTTTTTCATCGTCATCGCAGGGATGCTGGAGTACTCGCTGG
ACCTGCAGAACGTCAGCTTCTCAGCTGTGAGGACAGTCCGTGTGCTGGCAACGTCCTGCTGCTGCTTCTTCTGCTTCTT
ATGCGCATCCTTGTACGTTGTGCTGGATACGCTGGGCAACGTCCTGCTGCTGCTTCTTCTGCTTCTTCTT
CATCTTCGGCATCGTCGGCSTCCAGCTGTGGGCGAGGCTGCTTCGGAACCGATGCTTCTTACCTGAGAATTTAGCCTCC
CCCTGAGCGTGGACCTGGAGCGCTATTACAGACAGAGAACGAGGATGAGAGCCCTTCATCTGCTCCAGCCACGCGAG
AACGGCATGCGGTCCTGCAGAAGCGTGCCACGCTGCGCGGGGACGGGGGCGGTGGCCACCTTGCGGTCTGGACTATGA
GGCCTACAACAGCTCCAGCAACACCACCTGTGTCAACTGGAACAGTACTACACCAACTGCTCAGCGGGGAGCACAACC
CCTTCAAGGGCGCCATCAACTTTGACAACATTGGCTATGCTTGGATCGCCATCTTCCAGGTATCAGCTGGAGGGCTGG
GTGACATCATGTACTTTGTGATGGATGCTCATTCCTTCTACAATTTCTACTTCTATCTCTCTCTCTCTCTCTCTCTCT
CTTCTTCTATGATCAACCTGTGCTTGGTGGTGAATGGCAGCGAGTTCTCAGAGACCAAGCAGCGGGAAAGCCAGCTGATGC
GGGAGCAGCGTGTGCGGTTCTGTCCAACGCCAGCACCTTGGCTAGCTTCTCTGAGCCCGCAGCTGCTATGAGGAGCTG
CTCAAGTACCTGGTGATACCTTTCGTAAGGCAGCCCGCAGGCTGGCTCAGGTCTCTCGGGCAGCAGGTGTGCGGGTTGG
GCTGCTCAGCAGCCCGCAGCACCCTCGGGGGCCAGGAGACCCAGCCAGCAGCAGCTGCTCTCGCTCCCACCGCCGCTAT
CCGTCCACACCTGCTGGTGACACCACCACCACCATCACCACCCTACCACCTGGGCAATGGGACGCTCAGGGCCCCCGG
GCCAGCCCCGAGATCCAGGACAGGGATGCCAATGGGTCCCGCCGGCTCATGTGTCACCACCCTCGACGCTGCCCTGCTC
CGGGGCCCCCTTGGTGGCGCAGAGTCTGTGACAGCTTCTACCATGCCAGTGCACCTTAGAGCCAGTCCGCTGCCAGG
CGCCCCCTCCCAGGTCCCCATCTGAGGCATCCGGCAGGACTGTGGGCGAGCGGGAAGGTGTATCCCACCGTGACACCAGC
CCTCCACCGGAGACGCTGAAGGAGAAGGCACTAGTAGAGGTGGCTGCCAGCTCTGGGCCCCCAACCTCACCAGCCTCAA
CATCCCACCGGGGCCCTACAGCTCCATGCACAAGCTGCTGGAGACACAGAGTACAGGTGCCAAAGCTCTTGCAAGA
TCTCCAGCCCTTGCTTGAAGCAGACAGTGGAGCCTGTGGTCCAGACAGCTGCCCTACTGTGCCCGGGCGGGGAGGG
GAGGTGGAGCTCGCCGACCGTGAAATGCCCTGACTCAGACAGCGAGGCACTTATGAGTTACACAGGATGCCAGCAGCAG
CGACCTCCGGGACCCACAGCCGGCGGCAACGGAGCCTGGGCCCAGATGCAGAGCCAGCTCTGTGCTGGCCTTCTGGA
GGCTAATCTGTGACACCTTCCGAAAGATTGTGGACAGCAAGTACTTTGGCCGGGGAATCATGATCGCCATCCTGGTCAAC
ACACTCAGCATGGGCATCGAATACCACGAGCAGCCCGAGGAGCTTACCAACGCCCTAGAAATCAGCAACATCGTCTTAC
CAGCCTCTTTGCCCTGGAGATGCTGCTGAAGCTGCTTGTGTATGGTCCCTTTGGCTACATCAAGAATCCCTACAACATCT
TCGATGGTGTGCTGCTGAAGCTGGTGGCTTCTGCGGCGCTGCGGCGAGCAGGGGGGCGCCTGTGCGGTGCTGCGGACCTTC
CGCCTGATGCGTGTGCTGAAGCTGGTGGCTTCTGCGGCGCTGCGAGCGGCGAGCTGGTGGTGTGCTCATGAAGACCATGGA
CAACGTGGCCACCTTCTGCATGCTGCTTATGCTTCTCATCTTCTCAGCATCCTGGGCATGCATCTCTTCCGCTGCA
AGTTTGCCTCTGAGCGGGATGGGACACCCTGCCAGACCGGAAGAATTTGACTCCTTGCTCTGGGCCATCGTCACTGTC
TTTCAGATCCTGACCCAGGAGGACTGGAACAAAGTCTCTACAATGGTATGGCTCCACGTCGTCCTGGGCGGCCCTTTA
TTTCATTGCCCTCATGACCTTCGGCAACTACGTGCTCTTCAATTTGCTGGTTCGCCATTCTGGTGGAGGGCTTCCAGGCGG
AGGGAGATGCCAACAAGTCCGAATCAGAGCCCCGATTTCTTCTACCCAGCCTGGATGGTGTATGGGACAGGAAGAAGTGC
TTGGCCTTGGTGTCCCTGGGAGAGCACCCGGAGCTGCGGAAGAGCCTGCTGCCGCTCTCATCATCCACACGCGCCAC
ACCCATGTGCTGCCCAAGAGCACCAGCAGGGGCTGGGCGAGGCGCTGGGCCCCGAGCTCTCCGCACAGCCCTGGAGCGCT
GGTCGGCAGAGCCTGGGGCGGCCACAGAGATGAAGTCAACGCCAGCGCCGAGCTCTCCGCACAGCCCTGGAGCGCT
GCAAGCAGCTGGACCAGCAGCGCTCCAGCCGGAACAGCCTCGGCCGTGCACCCAGCCTGAAGCGGAGAAGCCCAAGTGG
AGAGCGGCGGTCCTGTTGTCGGGAGAAGGCCAGGAGAGCCAGGATGAAGAGGAGAGCTCAGAAGAGGAGCGGGCCAGCC
CTGCGGGCAGTGACCATCGCCACAGGGGGTCCCTGGAGCGGGAGGCCAAGAGTTCTTTGACCTGCCAGACACACTGCAG
GTGCCAGGGCTGCATCGCACTGCCAGTGGCCGAGGGTCTGCTTCTGAGCACCAGGACTGCAATGGCAAGTCGGCTTCAGG
GCGCCTGGCCCCGGGCCCTGCGGCTGATGACCCCCACTGGATGGGGATGACGCCGATGACGAGGGCAACCTG

[illegible]

GNL

APOB CpG ISLAND (SEQ ID NO:105)

CACNA1G CpG ISLAND (SEQ ID NO:106)

ctctcgccgacctacgccaggaccccgccgaatactctgattcttcgggctccctccaaggagctcccaaagaccccaatggccaatagg
aaagtgggttcggtctgggcagcagctctgattggctccagccttcgggagcggaccaggggcaaggggaggggagagggcggtctc
gggttttgggtgggaatcgattccagctgtgtgttctctccctgcgctccgccccgactgccacggcggacggccaatgggcgcgcgg
ctcggggccggcgggcgtccggcgattggctcgggggtgtctgggggcgggggccgagggctgaagttgaagtgagggatccagctgtg
gtgtgcgcggggctcctcgcgcgcgtttcgtcgcctcgcgtccgcgtctcggccggaggaggagggctgtggcgccggcgacagctacg
gcagcggcagccaccgcgggcgtcgcggcgggcgatctccgcctccactccgcccgggactgccccccactgtctccccgcccctc
ccggacagttagccccgcggcgggcgggggaaggagccgccccaccccctccaagcccaccctaaagagatccctcctccccctc
cccgcgcctggcgcgggagccgggacgatgctgaccttagatccggctccagctgcgccgcgggaagagggggcgccccctccccg
gacccccgcccctccgctgccccctttcgttcgcccctcgcggggcggttcgccgaaggtagcgccgaatccggcaaccggagcct
gggcgcgaagcgaagaagccggaacaaagtgagggggagccggccggctggcccggaagccccaggggcgcagggggaagcgg
gactcgcgccggggcggggttccctgcgccccggcgccccgcgggcagcatgccctgcgggcagggggagctgggtgtgaactg
cctcccgggggctcagcttgccctagagcccaccagatgtgccccgcgggggccccgggtgcgtgaggacacctctctgagg
Ggcgccgcttccccctcgcgcatcgccggggccccggctggccagaggatggacgaggaggagatggagcgggcgccgagga
gtcgggacagccccggagcttcatcgggctaacgacctgtcgggggccccggggcgccgggggccccgggtcagcagaaaaggacc
gggcagcgcggactccgagggcgagggggtgccgtaccggcgctggccccgggtgttttcttacttgagccaggacagccgccg
cggagctggTgtctccgcacggctgttaaccatattcttcggggcacgacgccaggcgcggggtcagaagggggacgggcccac
cgccgggggtcgggggggaagaagaccaccgccaggtgagtcgaagtgagccccggagggtaggcggatgggggggggggtgcc
agggaggggagggggcaccagagtgggagcggagacgcgagcaggtctcgtcgtaaccgggcttaccacacctgcgtacacaca
cctcagttctctgggttgggggggtggggatccaggccaggagaagagagctgtgccccgctggctcgagctggacgccctccagat
gtgttcaggggagggctcgtatcctccagatgtgggaagcttcgggagcctgggagctgtactctgcccgcgccggttagcgagctgggt
ttggtttccgagtttgggtgggggtgggtggggcggtggggaggaagctgcggggacggaggaaggggggaccgcaatctctgggt
tccctcctcccccgccccaaagtttgcggcggttctagatgttggggggcggggaccaggtcctggccacctcaccctccg
gggttgagggcacaacaaggagattccggcgggcggtgatgtcagggggcgagaatgagaacaagatgtggtggaggggagctgtctgc
ccccggagctgggagtgagcccccttccgctagagcccagtgccgcgggtgcctcctaccgatctccattcgtatgc

[illegible]

CDX2 CpG Island (SEQ ID NO:107)
ctcgttaatcacggaagccgccgcctggggctccgcacgccagcctgtgcgggtcttccccgcctctgcagcctagtgggaaggaggt
gggagggaagaaggaagaaagggagggagggaggagggcagccagagggagggaccgcctcgagggcagaagagccgcgagg
agccagcgggagcaccgcgggctggggcgcagccacccgccgtcctcagagtcacctcgcccccttcccttcgtccccccggcagcctc
cagcgtcggtccccaggcagcatggtgaggtctgctcccggtccctcgccaccatgtacgtgagcta

gtccgcggggaccgggtccagaggggcagtgctgggaaacgccctctcggaaattaactcctcagggcaccgctccccctccatgcgcc
gccccactcccgccggagactaggtcccgcgggggcccaccgtgtccaccgctcgcggccgctggccttgggtccccgctgctggttct
ctccccctctcctcgattctctctctctctgctctctccgatccctctctccgccgcttggtccctctctctccgccctgctccccgcgctc
ggccccgcgagctagacgtccgggacgccccggcgagcgcggccgcagcagcctctccccccgcacggtgtgagcgccccgc
gcgccgagggcgccgagtcgagctagccccgcggccgccgcccagaccggacgacaggccacctcgtcgcgtccgccc
agtccccgctcgcggccaacgccacaaccaccgcgcacggccccctgactccgtccagtattgatcgggagagccggagcgagctctt
cggggagcagcgatgcgacctccgggacggccggggcagcgctcttgcgctgctggtgcgctctgccCggcgagtcgggctctg
Gaggaaaagaaaggtaaggcgctgtctcgcggctccccgccgccccggatcgcgccccggacccgcagcccgcccaaccgcacc
gcgcaccggcttcgcccgcgccccgcccgtctttctgtttccttgagatcacgtgcgccgccgaccgggaccgcgggaggaacggg
acgtttcgttctcggccgggagagtctggggcgggcgaggaggagacgctgggacaccgggctgcaggccaggcggggaacgg
ccgccgggacctccggcgccccgaaccgtcccaactttctccctcactttccccgccagctgcgcaggatcggcgtcagtgggcgaa
agccgggtgctggtgggcgcctggggcgggggtcccgacgggtccccgcgctgtcttccagggcgcgacggggtcctggcgcg
acccgagggccgctgcccaccgccgagactgcctgtttagggaagctgaggaaggaacccaaaaatacacgctccgctcgaccgcc
cgggacaggcggtttctgagaggacctccccgcctccgcgctccgcgcagggtctcaaactgaagccggcgcccgccagcctggcccc
ggccccctcaggtccccgcgatctcgttccccagtgtaggtcgcagcctcgacctgggagctgggagaactcgtctaccaccacctg
cggctcccggggaggggtggtgctggcgcggttagtttctcgttggcaaaaggcaggtggggtccgaccgcccccttggcgagac
cccgccgctcgcctcggcggtgcgcccctgcttgcctatccaagagtgcacccactccgggaccccgactccctccgcgcccgc
gccgaaagccccaggtctccttcgatggccgctcgcggagacgtccgggtctgtccacctgcagcccttcggtcgcgcctgggctc
gcggtggagcgggacgcggctgtccggccactgcagggggggatcgcgggactcttgagcggaagccccg

FIGURE 4C
FBN1 CpG Island (SEQ ID NO:109)

agagccgcgtctggagtgggctctcgacacccagggaagtgggggcggcagagccctctcctcggtcggcacagcagcctctgccgcggtcccg
cctgcgacgcgccagctcttagcctcccggcctccggcgtctgctgagtgccggcgggagagggcgcgctaccgggagggcgcgggc
agcggggactggtttctcgggcccagggcctccggggcaaccgtctccagcgcgcattcttggtcaggtggaacagctttctgctccggtagggtt
cacctatcgccgggagaggttaatctcgatctaaacctgcagccgagagcgggctaaaaccgtactccacctcttccatttctccccccccacctc
aagacaaaaagtcccaggccgggcagacacgtgatcacctctgctcctctccactgcgctaatcctgcgagcgagagggccccgaccgagggcggagg
ctgcaaaaggaggagtggaaaggagggatggatggggcgggggggtgggtggtgatagggcgacgaaggaggggggtgtcattttctttctttt
ttaaaaaagtatttctcgcgagaaccgtgcgcgggacgatacttgaagggtggggaaggagggggctgcgggagccgcggcagagactgtg
ggtgccacaagcggacagggagccacagctgGgacagctgcgagcggagccgagcagtggtgtagcggccacgactgggagcagccgcggccg
cctcctcgggagtcggagccgcttctccagtggtgcagccgggggtccgacgggggtcggcgccaccgggggtggagctgcggccacgga
ggcttttgcgtttgcgccnnngagggcagggacaggactgggggtgaggggctgtcccgaacgtccaacgtgngcgtggacctcccctgct
gacagcttctgncgggggtcttctgtgctggncggcgtcagatgttggggggcgggtgcatcgccggagtcggcggggacggcgcggtgct
ccagctggcggagagggcagctgagggatggggcgttcagagcgcgcacgcgcgaattcgtccgctaaaaaaaataaacccagagagctcgc
ccggggcttaggaccgttgggatagggacttttgcgcgcgtcttctgcgggggccgggagggcaggggattggccggggctgtcgcgggg
gcctgggcttccagccagctgtggaccaaacggttctcccttaccaaattaactgcgccacagggcggcgacnggttgggctttgggaatggggacc
gcgagcttcagcatcccgatgccctgaaagtctccccgcctcggggatttctctgtgttcagctggcagggggccgctgaagtgggagcagcgct
ggagaaggcgggagggagcccgccgggggacggcgggcgggatagcgggaccccgcggcgcggtgcgcttcagggcgagcggcgccg
cagaccgagccccggcgcggaagggcggggagccggtggcggtcggcatcatgcgtcagggcgctctgctggagatcgccctgggattt
accgtgttttagcgtctacacgagccatggggcgggacccaatttgagggtgggaacgtgaaggaaaccagagccagtcgggccaagagaaga
ggcgggtggaggacacgacgcgttaaagggtaaaggaaccggttcctc

GPR37 (SEQ ID NO:110)

Tcccggcccgacccgccccctagcccgggctcggggacctgtcaggctggttcgacagctggggaattaacctgtcccgccatccctagcctcgag
ccgcgcaggctccgcgcctccgccctgttccctccagctcctccgagtggaagccgctacaaatggcttgaatgaaacgtgtgtgggttagtgagtg
gtgaaccaccaggggatcccgtctcccacaaaccagtatcttccgaggagggagggcgaaggagtgaggagggcaacgagccgagagtcgagctt
cgcgggcgcgcgagcggctggagcgcggggcgagggccggccacctccccttcccggccgcactgctggcccgcgcggttccaggca
ccaccttcccgtccgggtgagcccgtgtggcagtgactagctcccgggctagcggcactgtccaccgacgagcggcgccctcttcccccttct
ccccacgatttcttctcgcggcgacgcggtccagcagcctgcttccccgctgtaactttgagctggaggagaagcaactttggcagtgccgc
gggggtggaatcccgttctcctcggcagcagtaggctcgaagtcgctggggtaggtggggcaagagtttccggcgcatcagcgctgttcggac
tgtttgcaacgtgttccagcagctgggagcggggtgtgactgcgagtcgtcggggaggggacttgttttcttctctagagacctcggttgca
actgatcaaacgctgtcga

HSPA6 CpG Island (SEQ ID NO:111)

tgtattcgcatggttaacatatcttgggtcttctgcccgtgggtctcagcgccctccaaggcagcccgaggcccggtctcgcctcagggatcctccac
agccccggggagaccttgctctaaagtgtgcttttgcagctctgccacaaccgcgcgtcctcagagccagccgggagggagctagaaccttccccgc
gtttcttcagcagccctgagtcagagggggtggccttgcaagtagccgccagccttctcgtctcacgaccgatcccggaaccttctccccg
ggtcagcgccgcgctgcgcggccggtgactcagccggcgggcgggcggggaggtctcactggcggggaaggtgcgggaaggttcgcgg
cggcggggtcggggaggtgcaaaaggatgaaaagccggtggacggagctgagcagatccggccggggtggcggcagagaaaccgagggagag
cctcactgctgagcgccctcgacgcggcgggcagcagcctccgtggcctcagcatccgaca

FIGURE 4D

IQGAP2 CpG Island (SEQ ID NO:112)

Agagttcacttttacttcagtgtcagcgcgcgccggccgtggctggctctggcgagagagcaccgagggagtggtcgcagatcttcgg
gcggctaggggaaatcggcgagagggcgccgatccgagcgcgccggcggggcgcagagcccgcgagcctggccagcgagggtagcc
gcggggggcgcgccccggcgggggccccggagacgcgcaggatgccacacgaagagctgccgtcgtgcagagacccccgtatgg
ctctattgtggacgatgaaa

KL CpG Island (SEQ ID NO:113)

ctcgaaagagggcgcggggtggcgcggtctccccgcgagcatctcacctaagggggaatccctttcagcgcacggcgaaagtccccctc
ggctgtcccacctggcagtcctctaggtttggccagtccttaattggctccagcaatgtccagccggagcttctttgggctccgagtg
gagaaaagttagagcaggtgcttccccagcgcgcgctccgctagggcccgagcagatcccgcgggaaagtgggaaaagtggctg
gcgcttttctccccgacgaagccgctccagggctgctctcagaggacgcgcggcaggcaaaagagaatgaacctgagcgtccacgaaac
gtcctgcacggctcccgggagctgggagaaacaggtgcttctccgacgtccgcggcgacgcctgccgcaccttggcgtccgcg
ccccccccgggacccccctcgccctggcgccccacccccagtgccaggcgaggcagtcgggctgcaggtattattgc
cagcggagcccgcggggagcggggggtggcgcgccggcggtggcgGgcggcgcgggcggggcgcgggcataaaggggcgc
ggcgcgggggccccggagcctggctcccgcgcagatcccgcagcgccccgcgcggccgcggccgcccgcgtcgtg
cgctgctgctggtgctgctgggctggcgggccgcccgtgctgctggagccggcgacggcgcgagacctgggcccgttctgcg
gcctcctgccccgagggcgcggggcttctccagggcaccttccccgacggcttcttgggcccgtgggcagcggcctaccagaccg
agggcggtgagcagcagcagggcaaggggtgctccatctgggacacgttcacccaccacccccctggcacccccgggagactcccgga
acgccagtctgccgttggcgccccgtcgccgctgcagcccgcaccggggacgtaccagcgacagctacaacaacgtctccgcga
cacggagcgctgcgcgagctcggggtcactcactaccgcttctccatctcgtgggcgcgagtgctcccaatggcagcgcgggcgctc
ccaaccgcgaggggctgcgctactaccggcgctgctggagcggtgcgggagctgggctgcagcccgtggtaccctgtaccactg
ggacctgccccagcgctgcaggacgctacggcggtgggccaaccgcccctggccgaccacttcagggattacgcggagctctgc
ttccgccacttcggcggtcaggtcaagtactggatcacatcgacaaccctacgtggtggcctggcacggctacgccaccggcgccgtg
gccccggcatccggggcagcccgcggctcggtacgtggtggcgcaaa

PAR2 CpG Island (SEQ ID NO:114)

Cccggggcggtggcctcccgaggtgagtacgctgctccttcggttccctgaaacctaacccgccctggggagggcgcgagcagaggct
ccgattcggggcaggtgagaggtgactttctcgggtgcgtccagtgagctctgagttcgaatcgcgggcgggcgattccccgcgcg
ccggcgtcggggcttcaggaggtgcggagccccagcgcggcgtggctgctgggggcccacatcctgc

FIGURE 4E
PITX2 CpG Island (SEQ ID NO:115)

FIGURE 4F

SDC1 CpG Island (SEQ ID NO:118)

Ggagaggtgcgggccaatccgagccgagcgagaggaatccggcagtagagagcggactccagccggcgaccctgcagccctgc
cctgggacagcggcgcgctgggcaggcgcccaagagagcatcgagcagcggaacccgcgaagccggcccgagccgcgacccgc
gcagcctgccgctctcccgcccggtccgggcagcatgaggcgcgcggcgctctggctctggctgtgcgcgctggcgctgagcctgc
agctggccctgccgca

SDC4 CpG Island (SEQ ID NO:119)

Agtaggagccggcgggctcgggcaggcggggtcccttggggtttcaactccgcggcgggcgagtgccccgcaggcctcgcttc
actggggaattccgggcggggtgcgggcggcgggcgggggcgggcgggcgggcgtaggccgctataagatgggtggcg
cgcccgccggggccactcgccgcagcctgcgcgccttctcagtcgcggtgccatggccccgcccgtctgttcgcgctgctgtt
cttcgtaggcggagtcgccgagtcggtgggtgcttggaggttcccgggctgggggcgaagcgggggcgagccggtgcctccttgtt
cgtcggagcgtgggatgggggggggcagatcgggggtacgctacccccaaccggacaccgaggccccgggaaacttgttgaaactt
gtccgggggtcacgggccagcctccgggatggcttcacgcgcgctgcgccctcgctgttcttcccgcctccccgggcctcagccc
cgccgcgggctacgggctcgttagtgactaagccggtgtcaactcttcaactcccacacctcgtccctccctggtgacctggggcagg
cttggagcgctgaatccctcctcgtctcggggcgcccagagcagacagcttaggatccgagatggccctgggggtcggggggctgc
gtgtactcgggaagggggagggttttaggggtgtgcgaggccc

bioRxiv preprint doi: <https://doi.org/10.1101/2020.03.26.007111>; this version posted March 26, 2020. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

FIGURE 5

MINT31 (SEQ ID NO:120)

CCCGGGGCCT	CTATCCTGGC	GGGAAGGGCA	GGCCGACCCG	GCAGACTGCG	GCCTCTCGGG
AGGGAAGAAG	GTGTCAGACG	CGCGGAGCAA	CCATAAATAG	CCCCCCTTTC	CCAGAAGACG
GCACGGGGTT	CAAGACTCAG	GCGCCGCATA	CTCAGAATGA	GAGCAGAGAC	TCCCGCCAGG
AAAAAAGGGC	ACTTAGGGGA	TCTGCTCATT	AACATGAAAT	GCAAATGAGC	CCGCCCCGGC
TCATTTACAC	AACTCTGTGC	ATGGATTTCG	CGAAAGGGCA	ACCAGGGAGA	CGACGGCGCA
GCAGCCACTC	TGCCACTTCC	CCCATCCCCT	CCCCCCCATC	GGCCGGGGCG	GGAAGTGA
CGACCCCAAC	CCTCTGCGGC	GGCGGGAGGT	GCGCGGGGGC	TGCGTGCGTG	GTGCAGCCTT
AGGGGAGTGA	ACAACGCCCC	GGGGTGATGG	CCTCAGCAAA	GTGAGGGGTG	GTGATGGAGG
TCATCCGACC	CATCCCGCCG	CCTCTCCGCA	GTGGCGCAAG	CGCCCCAAAA	TCTCCGGAGA
NGGAACTGAG	TGACCCACTA	GGTTCCGCCG	TGTCTACCTC	TCGCAGATGT	TGGGGAAGTG
CTTCCCGGCG	TCTAATCCTC	GCTGTTCCCC	CCTCCACCGG	CGCCCAGCAC	ACCCGCGGCG
CTCCGCTCCC	GGG				